## INTERNATIONAL SEARCH REPORT



A. CLASSIFIC	CATION OF SUBJECT	MATTER
IPC 7	C10M159/12	C10M173/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C10M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Υ	DATABASE WPI Section Ch, Week 198619 Derwent Publications Ltd., London, GB; Class H07, AN 1986-121923 XP002326424 & JP 61 060793 A (MIYOSHI YUSHI KK) 28 March 1986 (1986-03-28) abstract	1–17
Υ	DATABASE WPI Section Ch, Week 199251 Derwent Publications Ltd., London, GB; Class H08, AN 1986-079176 XP002326425 & JP 04 073477 B (MIYOSHI YUSHI KK) 20 November 1992 (1992-11-20) cited in the application abstract	1,2,7-13

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:  A document defining the general state of the art which is not considered to be of particular relevance  E earlier document but published on or after the international filing date  L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  O document referring to an oral disclosure, use, exhibition or other means  P document published prior to the international filing date but later than the priority date claimed	<ul> <li>*T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>
Date of the actual completion of the international search	Date of mailing of the international search report
27 April 2005	10/05/2005
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentiaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer . Kazemi, P

## INTERNATIONAL SEARCH REPORT

PCT/US2005/000487

0/0	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	FC1/032005	·
C.(Continua Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
	· · · · · · · · · · · · · · · · · · ·		
X	US 2 188 887 A (CLOCKER EDWIN T) 30 January 1940 (1940-01-30) page 1, left-hand column, lines 1-3 page 1, right-hand column, lines 16-35 page 5, left-hand column, lines 48-53; examples 6,7		1-17,19
Y	page 5, right-hand column, lines 33-35; examples 8-11		1–17
X	CA 1 069 410 A1 (A.E. STALEY MANUFACTURING COMPANY) 8 January 1980 (1980-01-08) page 10; examples 2-4		1,2,5, 7-9
X	US 3 293 201 A (SHAHADE FRED S ET AL) 20 December 1966 (1966-12-20) column 3, lines 34-52; examples I,K,L		1-3,5-7
X	US 5 030 388 A (MARTINO ET AL) 9 July 1991 (1991-07-09) column 1, lines 9,10,35-37; examples 1,7,9 column 2, lines 38-41		1,2,7,20
X	DD 57 961 A (BECKER ET AL) 20 September 1967 (1967-09-20) examples		1,2,4
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

In ational Application No	
PCT/US2005/000487	

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
JP 61060793	Α	28-03-1986	JP JP	1812888 C 5022753 B	27-12-1993 30-03-1993
JP 4073477	В	20-11-1992	JP JP	1782833 C 61028590 A	31-08-1993 08-02-1986
US 2188887	Α	30-01-1940	NONE		
CA 1069410	A1	08-01-1980	NONE		
US 3293201	Α	20-12-1966	NONE		
US 5030388	Α	09-07-1991	US CA	5011630 A 1296595 C	30-04-1991 03-03-1992
DD 57961	Α		NONE		